

Docket No.: 2336-063

AF 12834  
PATENT  
#

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Yong-Ho MOON et al.

Serial No. 09/833,592

Filed: April 13, 2001



: EXPEDITED PROCEDURE  
: Response under 37 C.F.R. § 1.116  
:  
: Group Art Unit: 2834  
:  
: Examiner: P. Cuevas

Corres. and Mail  
BOX AF

For: BODY FLUID ABSORBENT SANITARY ARTICLE

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

Dear Sir:

Transmitted herewith is an Amendment in the above identified application.

No additional fee is required.  
 Small entity status of this application has been established.  
  
 A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.  
 Also attached:

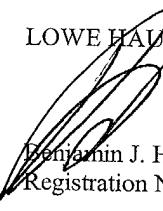
The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	15	20	0	x \$ 18 =	\$ 0.00
Independent Claims	6	4	2	x \$ 84 =	\$168.00
If multiple claims newly presented, add \$260.00					
Fee for extension of time					
<b>TOTAL FEE DUE</b>					<b>\$168.00</b>

A credit card authorization form in the amount of \$168.00 is attached  
 The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 07-1337, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

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Date: March 3, 2003  
BJH/lcw

TC 2800 MAIL ROOM

MAR - 6 2003

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Docket No.: 2336-063

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TC 2800 MAIL ROOM  
MAR 6 2003

Application of  
Yong-Ho MOON et al.  
Serial No. 09/833,592  
Filed: April 13, 2001  
For: CRYSTAL OSCILLATOR WITH IMPROVED SHOCK RESISTANCE

: EXPEDITED PROCEDURE  
: Response under 37 CFR 1.116  
: Group Art Unit: 2834  
: Examiner: P. Cuevas

**AMENDMENT UNDER RULE 116**

COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Sir:

This paper is submitted in reply to the Office Action mailed December 12, 2002, which was made Final. Reconsideration and allowance of the subject application in view of the following amendments **as to form** is respectfully requested.

**IN THE CLAIMS:**

Please cancel claims 1, 2 and 17 without prejudice or disclaimer.

Please amend claims 3-5 as follows:

3. (Twice Amended) A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;  
a conductive adhesive being spread on the supporting protuberances;  
a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;

a cover secured to the housing and positioned upon the quartz blank; and

an insulating resin layer placed between the cover and the supporting part of the quartz blank, for elastically pressing down the conductive adhesive;

wherein the insulating resin layer disposed upon the supporting part of the quartz blank is also formed between sides of the supporting part of the quartz blank and side walls of the housing.

4. (Twice Amended) A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;

a conductive adhesive being spread on the supporting protuberances;

a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;

a cover secured to the housing and positioned upon the quartz blank; and

an insulating resin layer placed between the cover and the supporting part of the quartz blank, for elastically pressing down the conductive adhesive;

wherein the insulating resin layer disposed upon the supporting part of the quartz blank extends along an entire top surface and entire side faces of the supporting part of the quartz blank.

5. (Twice Amended) A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;

a conductive adhesive being spread on the supporting protuberances;

a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;

a cover secured to the housing and positioned upon the quartz blank; and

an insulating resin layer placed between the cover and the supporting part of the quartz blank, for elastically pressing down the conductive adhesive;

wherein the insulating resin layer disposed upon the supporting part of the quartz blank partially covers a top surface and each of side faces of the supporting part of the quartz blank.